SINGER KNITTING MACHINES

Jumpers and Cardigans: Raglan Sleeves

Series 3

4 PLY

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SINGER RAGLAN FASHIONS USING PATONS PATONYLE – 4 PLY

These raglan sleeved garments have been designed for all Singer Knitting Machines. The designs for children and adults cover cardigans with round or V necks and jumpers with round, polo or V necks —all styles may have short or long sleeves.

This book has been designed for beginners. However, more advanced knitters may like to add their own variations with stripes or bands of fairisle—or lengthen for dresses.

To ensure the success of your knitting the first part of this book has been devoted to advice on tensions, measurements, hems and ribs, fashion decreasing, buttonholes and quantities of yarn required.

Tensions

These garments have been designed for Patons Patonyle—a 4 ply Fingering. In order to match the sizes shown in this book it is essential to produce the correct tension. The correct stocking stitch tension is:—

15½ stitches to 2 inches

22 rows to 2 inches

For all Singer machines we suggest Tension 6—however, as each machine varies it is advisable to check your tension. Various colours and flecks can also affect the tension.

To check tension: Knit a sample with 40 stitches on a tension one point below suggested tension, e.g., 5.2—knit 30 rows and mark work—then change to T.6 and knit 30 rows, then 6.1 for 30 rows. Remove the sample from the machine and leave for at least 12 hours before measuring.

Measurements

We have used average measurements; however, individual requirements may need the lengths to be altered. At the point for alteration the instructions have been marked "adjust here." For shorter lengths deduct 11 rows for each inch and for longer lengths add 11 rows for each inch.

If altering lengths, remember to alter all body pieces and both sleeves if required. For cardigans the bands will also need alteration.

Basic Measurements

Jumpers

Sizes	22	25	28	31	34	37	40	43	46
Garment measures	24	27	30	33	36	39	42	45	48
Length from Back Neck	13½	15½	17½	19½	23½	24	24½	26	26½
Sleeve length: long	11	13	15	16	17	17	17	18	18
short	2½	2½	2½	2½	3	3	3	3	3

Cardigans

Sizes	22	25	28	31	34	37	40	43	46
Garment measures	25	28	31	34	37	40	43	46	49
Length from Back Neck	14	16	18	20	24	24½	25	26½	26½
Sleeve length: long	11½	13½	15½	16½	17½	17½	17½	18½	18½
short	2½	2½	2½	2½	3	3	3	3	3

Fashion Raglan Decreasing

Method 1: With 3 eye transfer tool move stitches in one place. The third end stitch is now placed onto the fourth stitch.

Method 2: Place the fourth stitch onto the third stitch. With the 3 eye tool move the three end stitches in one place—thus filling the empty needle.

Method 3: Instead of decreasing one stitch every second row two stitches may be decreased every fourth row. Place the third and fourth stitches onto the fifth and sixth, then move the end two stitches in two places and filling the two empty needles. This will give a cable effect.

Hems and Ribbing

Instructions are given for both hems or ribbing, allowing for individual requirements.

Hems are turned up and may be completed on the machine or sewn by hand later.

There are two types of hems:—

1. Stocking stitch.
2. Imitation rib—where the given number of needles are selected and then every alternate needle is pushed out of action. When the hem is completed remember to put the alternate needles back into action.

Ribbing: The instructions are for K1, P1 or single rib using a ribber attachment.

Tensions: For stocking stitch hems the tension is one number tighter than the normal tension. For imitation rib and K1, P1 rib the tension is 2 numbers tighter than the normal tension.

Buttonholes

The correct placement of buttonholes is given in all cardigan bands. These may be worked in either K1, P1 rib or imitation rib.

K1, P1 Rib: 1. For small buttons—transfer the centre ribber bed stitch onto the above main bed stitch—there are now two stitches on one needle. Leave the empty rib needle in action and continue knitting.

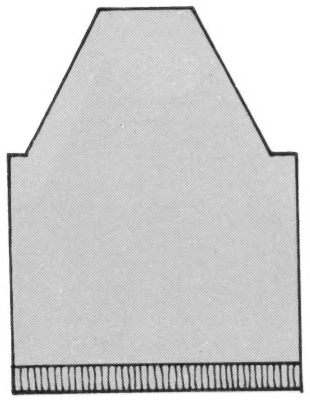
2. For larger buttons—transfer the centre ribber bed stitch onto the above main bed stitch, then transfer the next main bed stitch onto next ribber stitch. There will now be on each bed two stitches on one needle and one empty needle. Leave the empty needles in action and continue knitting.

Imitation Rib: The bands in imitation rib are made double the width and folded back—therefore on the same row 2 buttonholes are to be made on needles mentioned in the instructions and when folded are stitched together. To make the buttonholes—knit 2 stitches together and leave the empty needle in action.

Materials

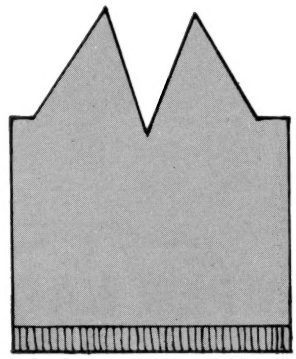
The figures quoted are for **4 ply 1 oz. balls.** If alterations are made to lengths also alter quantities.

Sizes	**22**	**25**	**28**	**31**	**34**	**37**	**40**	**43**	**46**
Long Sleeve Garments									
V neck jumper	6	7	9	10	13	14	16	18	19
Round neck jumper	6	7	9	10	13	14	16	18	19
Polo neck jumper	7	8	10	11	14	15	17	19	21
Round neck cardigan	7	8	10	11	14	15	17	19	21
V neck cardigan	7	8	10	11	14	15	17	19	21
Short Sleeve Garments									
V neck jumper	5	5	7	8	11	12	14	15	16
Round neck jumper	5	5	7	8	11	12	14	15	16
Round neck cardigan	6	6	8	9	13	13	15	16	18
V neck cardigan	6	6	8	9	13	13	15	16	18



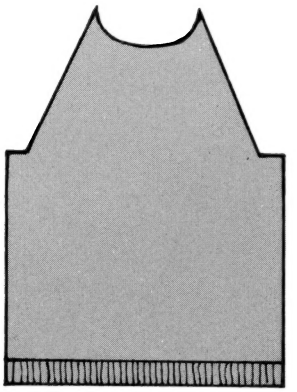
JUMPER BACK PANEL – FOR ALL STYLES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	91	101	113	123	135	147	157	169	179
2. Knit welt—hem 44 rows rib 22 rows. —Change tension—									
3. Transfer to stocking stitch and knit xxx rows above welt (adjust length)	66	80	94	98	148	148	148	154	156
4. Row counter 000.									
5. Cast off xxx stitches at beginning of next 2 rows	5	5	5	5	5	6	7	7	8
6. Decrease 1 stitch each end of every 4th row xxx times	6	6	5	4	2	1	1	2	1
7. Decrease 1 stitch each end of every 2nd row xxx times	20	24	30	35	42	47	49	53	57
8. here are now xxx rows	66	74	82	88	94	100	104	116	120
9. Cast off remaining xxx stitches	29	31	33	35	37	39	43	45	47



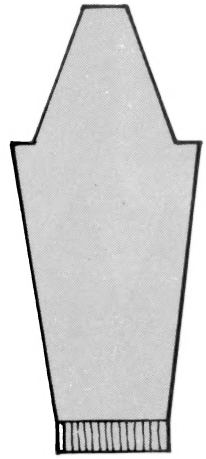
JUMPER FRONT – V NECK

Sizes	22	25	28	31	34	37	40	43	46
1. Follow steps 1 to 5 of back.									
2. Decrease 1 stitch at centre front.									
3. Work on half the stitches nearest carriage—placing other half out of action. xxx stitches	40	45	51	56	62	67	71	77	81
Shape raglan and neckline—									
Note: Steps 4 to 6 are knitted simultaneously.									
4. At armhole edge decrease 1 stitch every 4th row xxx times	6	6	5	4	2	1	1	2	1
5. At armhole edge decrease 1 stitch every 2nd row xxx times	20	24	30	35	42	47	49	53	57
6. At neck edge decrease 1 stitch every 4th row xxx times	13	14	15	16	17	18	20	21	22
7. Bind off last 2 stitches.									
8. Work on other half reversing shapings.									



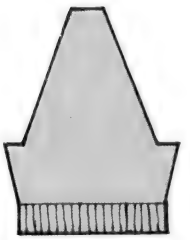
JUMPER FRONT – ROUND OR POLO NECK

Sizes	22	25	28	31	34	37	40	43	46
1. Follow steps 1 to 6 of back.									
2. Decrease 1 stitch each end of every 2nd row until xxx stitches remain	55	59	65	67	71	73	79	85	91
3. There are now xxx rows .... Shape neck—	40	46	50	56	60	66	68	76	76
4. Work xxx stitches nearest carriage holding remainder	20	21	24	24	26	26	28	30	32
Note: Steps 5 to 6 are knitted simultaneously.									
5. At neck edge decrease 1 stitch every 3rd row xxx times	6	6	7	7	8	8	9	9	9
6. At armhole edge continue to decrease 1 stitch every 2nd row until 2 stitches remain.									
7. Bind off last 2 stitches.									
8. Cast off xxx stitches at the centre	15	17	17	19	19	21	23	25	27
9. Work other side, steps 5 to 7, reversing shapings.									



JUMPER – LONG SLEEVES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	47	53	57	61	67	71	75	79	79
2. Knit welt—hem 44 rows									
rib 22 rows.									
—Change tension—									
3. Transfer to stocking stitch and knit xxx rows	9	9	9	9	9	9	8	8	8
4. Increase 1 stitch each end of this and every following xxx rows	9	9	9	9	9	9	8	8	8
5. Increase xxx times altogether	11	12	14	16	17	17	19	22	22
6. There are now xxx stitches	69	77	85	93	101	105	113	123	123
7. Knit straight to xxx rows above welt (adjust length)	106	128	150	160	168	168	168	182	182
Shape raglan—									
8. Row counter 000.									
9. At beginning of next 2 rows cast off xxx stitches	5	5	5	5	5	6	7	7	8
10. Decrease 1 stitch each end every 4th row xxx times	8	8	8	7	6	8	7	9	12
11. Decrease 1 stitch each end every 2nd row xxx times	16	20	24	29	34	33	37	39	35
12. There are now xxx rows	66	74	82	88	94	100	104	116	120
13. Cast off remaining xxx stitches	11	11	11	11	11	11	11	13	13
Knit another sleeve the same way.									



JUMPER – SHORT SLEEVES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	53	61	69	77	85	89	97	107	107
2. Knit welt—hem 22 rows rib 11 rows. —Change tension—									
3. Transfer to stocking stitch and knit 2 rows.									
4. Increase 1 stitch each end of this and every following xxx rows	2	2	2	2	3	3	3	3	3
5. Increase 8 times altogether.									
6. There are now xxx stitches	69	77	85	93	101	105	113	123	123
7. Knit straight to ~~xxx~~ rows above welt	22	22	22	22	26	26	26	26	26
8. Follow steps 8 to 13 of long sleeve.									

NECKBANDS – JUMPER – USING RIBBER ATTACHMENT

ROUND NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches for K1, P1 rib	119	127	137	141	147	151	161	177	189
2. Rib for xxx rows	30	30	30	30	32	32	32	32	32

3. Cast off loosely.

Note: When attached, neckband is folded in half.

POLO NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
1. Commence as step 1 of round neck.									
2. Rib for xxx rows	65	65	65	65	75	75	75	75	75

3. Cast off loosely.

V NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
Note: Most sizes knitted in 2 pieces.									
1. Cast on xxx stitches for K1, P1 rib	183	127	137	145	153	161	179	187	193
second piece xxx stitches	—	75	83	89	95	101	105	117	121

2. Rib 14 rows.

3. Cast off loosely.

Note: When attaching neckbands it is best to use the cast on edge as finished edge and attach the cast off edge to the garment.

NECKBANDS – JUMPERS USING IMITATION RIB

ROUND NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
1. Select xxx needles	119	127	137	141	147	151	161	177	189
2. Push out of action every alternate needle.									
3. Using winding method cast on loosely.									
4. Knit xxx rows	30	30	30	30	32	32	32	32	32
5. Cast off loosely.									

Note: When attached neckband is folded in half.

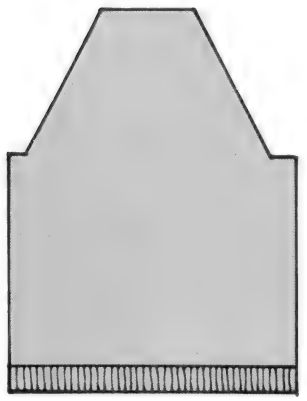
POLO NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
1. Follow steps 1 to 3 of round neck.									
2. Knit xxx rows	65	65	65	65	75	75	75	75	75
3. Cast off loosely.									

V NECK JUMPER

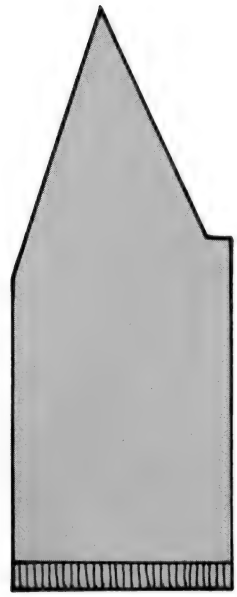
Sizes	22	25	28	31	34	37	40	43	46
Note: Most sizes knitted in 2 pieces (see back page for attaching).									
1. Select xxx needles	183	127	137	145	153	161	179	187	193
second piece xxx needles	—	75	83	89	95	101	105	117	121
2. Push out of action every alternate needle.									
3. Using winding method, cast on loosely.									
4. Knit 28 rows.									
5. Cast off loosely.									

Note: Neckband is folded in half when attached.



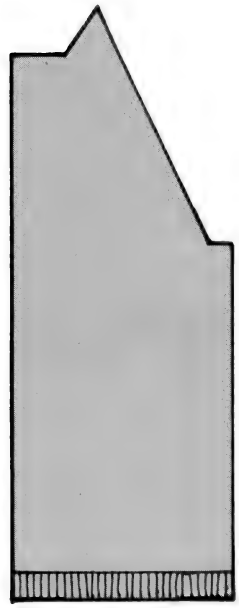
CARDIGAN BACK PANEL FOR ALL STYLES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	95	105	117	127	139	151	161	173	183
2. Knit welt—hem 44 rows rib 22 rows. —Change tension—									
3. Transfer to stocking stitch and knit to xxx rows above welt (adjust length)	70	84	98	102	152	152	152	160	160
Shape raglan—									
4. Row counter 000.									
5. At beginning of next 2 rows cast off xxx stitches	5	5	5	5	5	6	7	7	8
6. Decrease 1 stitch each end every 4th row xxx times	6	6	5	4	2	1	1	2	1
7. Decrease 1 stitch each end every 2nd row xxx times	21	25	31	36	43	48	50	54	58
8. There are now xxx rows	68	76	84	90	96	102	106	118	122
9. Cast off remaining xxx stitches	31	33	35	37	39	41	45	47	49



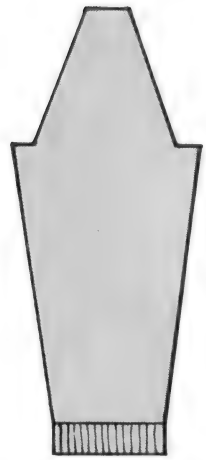
CARDIGAN FRONT – V NECK

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	47	51	57	63	69	75	79	85	91
2. Knit welt—hem 44 rows rib 22 rows.									
—Change tension—									
3. Transfer to stocking stitch and knit to xxx rows above welt (adjust length)	70	84	98	102	152	152	152	160	160
Shape raglan and neckline—									
4. Row counter 000.									
5. Cast off xxx stitches at armhole edge	5	5	5	5	5	6	7	7	8
6. At neck edge decrease 1 stitch. **Note:** Steps 7 to 9 are knitted simultaneously.									
7. At armhole edge decrease 1 stitch every 4th row xxx times	6	6	5	4	2	1	1	2	1
8. At armhole edge decrease 1 stitch every 2nd row xxx times	21	25	31	36	43	48	50	54	58
9. At neck edge decrease 1 stitch every 4th row xxx times	13	13	14	16	17	18	19	20	22
10. Bind off last 2 stitches. Knit another front reversing shapings.									



CARDIGAN FRONT – ROUND NECK

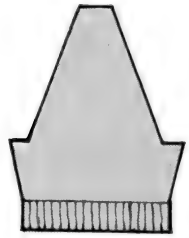
Sizes	22	25	28	31	34	37	40	43	46
1. Follow steps 1 to 5 of V neck front.									
2. At armhole edge decrease 1 stitch every 4th row xxx times	6	6	5	4	2	1	1	2	1
3. At armhole edge decrease 1 stitch every 2nd row until xxx stitches remain	29	30	33	35	37	38	40	43	47
4. There are now xxx rows	40	46	50	56	60	66	68	76	76
Shape neck—									
5. At neck edge cast off xxx stitches	7	7	7	9	9	10	10	11	13
Note: Steps 6 to 7 are knitted simultaneously.									
6. At neck edge decrease 1 stitch every 3rd row xxx times	7	7	8	8	9	9	10	10	10
7. At armhole edge continue to decrease 1 stitch every 2nd row until 2 stitches remain.									
8. Bind off last 2 stitches. Knit another front reversing shapings.									



CARDIGAN – LONG SLEEVES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	51	57	61	65	71	75	79	83	83
2. Knit welt—hem 44 rows rib 22 rows.									
—Change tension—									
3. Transfer to stocking stitch and knit xxx rows	9	9	9	9	9	9	8	8	8
4. Increase 1 stitch each end of this and every following xxx rows	9	9	9	9	9	9	8	8	8
5. Increase xxx times altogether	11	12	14	16	17	17	19	22	22
6. There are now xxx stitches	73	81	89	97	105	109	117	127	127
7. Knit straight to xxx rows above welt (adjust length)	110	132	154	164	172	172	172	186	186
Shape raglan—									
8. Row counter 000.									
9. At beginning of next 2 rows cast off xxx stitches	5	5	5	5	5	6	7	7	8
10. Decrease 1 stitch each end every 4th row xxx times	7	7	7	6	5	7	6	8	11
11. Decrease 1 stitch each end every 2nd row xxx times	19	23	27	27	37	36	40	42	38
12. There are now xxx rows	68	76	84	90	96	102	106	118	122
13. Cast off remaining xxx stitches	11	11	11	11	11	11	11	13	13

Knit another sleeve the same way.



CARDIGAN – SHORT SLEEVES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	57	65	73	81	89	93	101	111	111
2. Knit welt—hem 22 rows									
rib 11 rows.									
—Change tension—									
3. Transfer to stocking stitch and knit 2 rows.									
4. Increase 1 stitch each end of this and every following xxx rows.	2	2	2	2	3	3	3	3	3
5. Increase 8 times altogether.									
6. There are now xxx stitches	73	81	89	97	105	109	117	127	127
7. Knit straight to xxx rows above welt	22	22	22	22	26	26	26	26	26
8. Follow steps 8 to 13 of long sleeve.									

NECKBANDS – CARDIGANS USING RIBBER ATTACHMENT

V NECK CARDIGAN

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on 17 stitches for K1, P1 rib.									
2. Rib 5 rows.									
3. Make buttonhole in next and every following xxx rows—see front sect.	22	26	24	24	28	28	28	30	30
4. Make xxx buttonholes altogether	5	5	6	6	7	7	7	7	7
5. Continue ribbing until xxx rows from beginning	373	419	465	489	501	615	627	673	685
6. Cast off.									

Note: If length of garment is altered adjust band by double the number of rows altered.

ROUND NECK

Sizes	22	25	28	31	34	37	40	43	46
Front Band Without Buttonholes									
1. Cast on 17 stitches for K1, P1 rib.									
2. Rib xxx rows	145	165	184	190	241	255	255	274	274
3. Cast off.									

Note: If length of garment is altered, adjust band by same number of rows.

Front Band With Buttonholes

1. Cast on 17 stitches for K1, P1 rib.									
2. Rib 5 rows.									
3. Make buttonholes on next and every following xxx rows—see front sect.	27	31	29	30	33	35	35	33	33
4. Make xxx buttonholes altogether	6	6	7	7	8	8	8	9	9
5. Rib 5 rows.									
6. Cast off.									

See note for "without buttonholes."

Neckband

1. Cast on xxx stitches for K1, P1 rib	123	129	139	145	151	155	163	177	195
2. Rib for 14 rows.									
3. Cast off loosely.									

Note: It is best to use cast on edge as finished edge and cast off edge is attached to the garment. Front bands extend to form part of the garment.

NECKBANDS – CARDIGANS – USING IMITATION RIB

V NECK CARDIGAN

Sizes	22	25	28	31	34	37	40	43	46
1. Select 34 needles.									
2. Push out of action every alternate needle.									
3. Using winding method cast on.									
4. Knit 5 rows.									
5. Make buttonholes on 4th stitch in from each end (see front sect.).									
6. Knit xxx rows	22	26	24	24	28	28	28	30	30
7. Repeat steps 5 & 6 until xxx series of buttonholes are made	5	5	6	6	7	7	7	7	7
8. Continue knitting until xxx rows from beginning	373	419	465	489	501	615	627	673	683
9. Cast off.									

Note: If length of garment is altered adjust band by double number of rows altered.

ROUND NECK CARDIGAN

Sizes	22	25	28	31	34	37	40	43	46
Front Band Without Buttonholes									
1. Follow steps 1 to 3 of V neck.									
2. Knit for xxx rows	145	165	184	190	241	255	255	274	274
3. Cast off.									

Note: If length of garment is altered adjust band by same number of rows.

Front Band With Buttonholes

1. Follow steps 1 to 4 of V neck.									
2. Make buttonholes on 4th stitch in from each end (see front sect.).									
3. Knit xxx rows	27	31	29	30	33	35	35	33	33
4. Repeat steps 2 and 3 until xxx series of buttonholes are made	6	6	7	7	8	8	8	9	9
5. Knit 5 rows.									
6. Cast off.									

See note for "without buttonholes."

Neckband

1. Select xxx needles	123	129	139	145	151	155	163	177	195
2. Push out of action every alternate needle.									
3. Using winding method, cast on loosely.									
4. Knit 28 rows.									
5. Cast off loosely.									

Note: Front bands extend to form part of neckband.

COMPLETION OF GARMENTS

All Styles

1. Press all pieces lightly with a damp cloth.
2. Sew up the 4 raglan seams.
3. Sew the side and sleeve seams.

Attaching Neckbands

Round Neck Jumper

For both imitation rib and rib sew the neckband evenly around the neck—fold in half and slip stitch.

Polo Neck Jumper

Imitation Rib—attach as for round neck jumper.

Rib—sew cast off edge to the neckline.

V Neck Jumper

Imitation Rib—sew band around neck commencing at the V—with 2 pieces, the second commences at a front raglan seam—fold the band in half and slip stitch—make a mitred corner at the V.

Rib—sew band around neck using the cast off edge commencing at the V—with 2 pieces the second commences at a front raglan seam—mitre the ends at the V.

Round Neck Cardigan

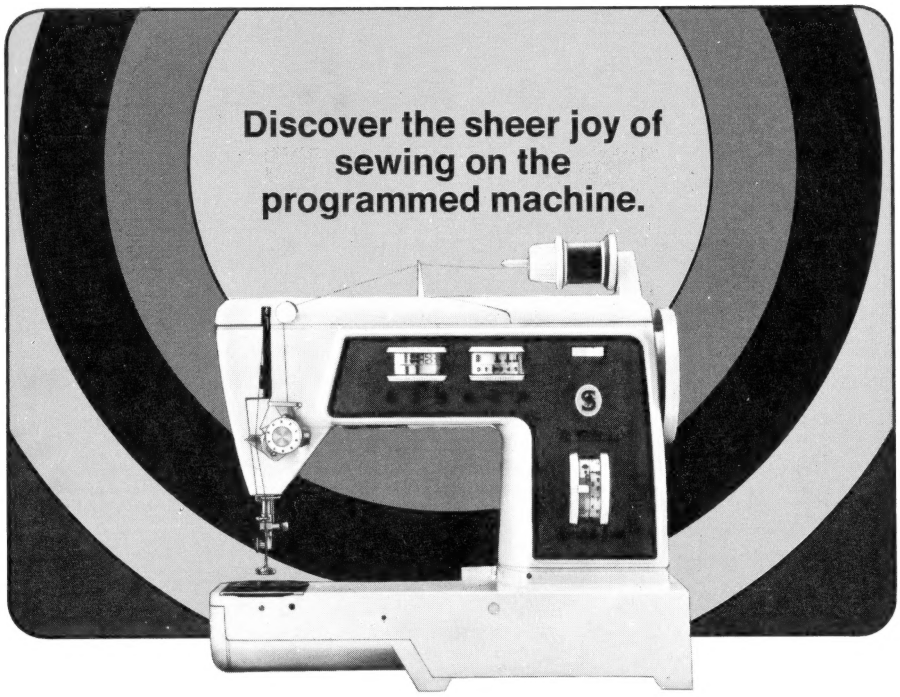
Imitation Rib—attach the neckband evenly, fold in half and slip stitch. Attach the bands down each front commencing at the top of the neckband—fold in half and slip stitch. Catch the buttonholes together.

Rib—attach the neckband evenly around neck using cast off edge—attach bands from top of neckband.

V Neck Cardigan

Imitation Rib—attach band evenly around neckline, fold in half and slip stitch. Catch the buttonholes together.

Rib—attach evenly around neckline.

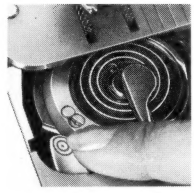


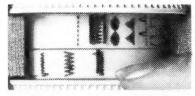
Singer Touch & Sew

with the revolutionary 'Magic Bobbin'*

Trust Singer to come up with the best ideas. Now it's programmed sewing. Simply touch a dial and away you sew. Zig zag, button-holes, embroidery, even tacking that pulls out invisibly. Then there's the 'Magic Bobbin' that winds itself. No more digging it out to fill. How about a demonstration? Singer Touch and Sew is precision made in Germany. To make sewing much more fun . . . as you'll discover.

So advanced, the 'Magic Bobbin' winds itself inside the machine. Press a lever, and it fills from the needle thread





So advanced, you turn a dial and everything sews automatically.

So advanced, you pop in a cam to do button-holes. Round end. Square end. Any length you like.

To Singer Aust. Ltd.,
ADC Bldg.,
189 Kent Street,
SYDNEY. 2000

Please send me all the information you have on Singer Touch & Sew

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Address_____

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078P105

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